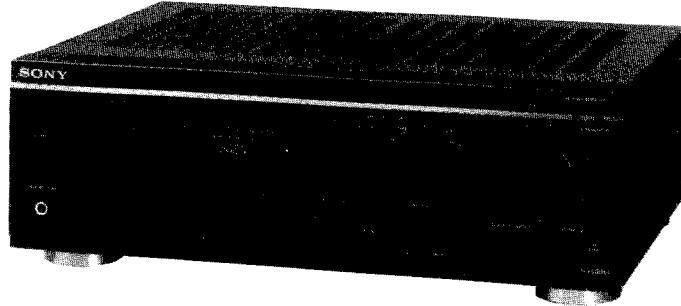


TA-F550ES

SERVICE MANUAL

Canadian Model
AEP Model
UK Model



SPECIFICATIONS

Amplifier section

Item	Condition		Data
Continuous RMS power output (both channels driven simultaneously)	4 ohms, 20 Hz-20 kHz THD 0.008 %	EXCEPT AEP model	120 W + 120 W (THD 0.01 %) (DIN: 175 W + 175 W)
	6 ohms, 20 Hz-20 kHz THD 0.006 %	EXCEPT AEP model	100 W + 100 W (DIN: 140 W + 140 W)
		AEP model	95 W + 95 W (DIN: 120 W + 120 W)
	8 ohms, 20 Hz-20 kHz THD 0.004 %	EXCEPT AEP model	90 W + 90 W (DIN: 115 W + 115 W)
		AEP model	80 W + 80 W (DIN: 100 W + 100 W)
Power band width (IHF)	8 ohms, THD 0.02 %		10 Hz - 10 kHz at 45 W
Dynamic headroom ('78 IHF)	4ohms		2dB
	8ohms		1.2dB
Total harmonic distortion	8 ohms, at 10 watt output		0.003 %
Intermodulation (IM) distortion 60 Hz : 7 kHz = 4 : 1	4 ohm, at rated output		0.008 %
	6 ohm, at rated output		0.006 %
	8 ohm, at rated output		0.004 %
Damping factor	8 ohms, 1 kHz		100
Residual noise	network A		less than 90 μ V
Frequency response	PHONO MM		RIAA equalization curve \pm 0.2 dB
	TUNER, CD, TAPE 1, 2, 3, DIRECT IN		2 Hz - 200Hz $\begin{array}{l} +0 \\ -3 \end{array}$ dB
Input sensitivity	PHONO	MC	0.17mV, 100 ohms
		MM	2.5 mV, 50 kohms
	TUNER, CD, DIRECT IN, TAPE 1, 2, 3 ADAPTOR IN		150 mV, 20kohms

—Continued on page 2—

INTEGRATED STEREO AMPLIFIER
SONY®



MICROFILM

S/N (network) * 78 (IHF)	PHONO	MC	77 (0.5mV)
		MM	95 (5.0mV)
	TUNER, CD, DIRECT IN, TAPE 1, 2, 3 ADAPTOR IN		108 (150mV)
	REC OUT 1, 2, 3 ADAPTOR OUT		150mV, 1kom
Output voltage impedance	HEADPHONES		25 miliwatts (at 80ohms) Accepts low and high impedance headphones.
	BASS, at 100 Hz		± 6.5 dB (turnover freq. 400 Hz)
Tone controls	TREBLE, at 10 kHz		± 6 dB (freq. 5kHz)
	SUBSONIC filter		6 dB/octave attenuation below 15 Hz

General

system Preamplifier section: Low-noise high gain NFB type equalizer amplifier, passive type direct tone control
Power amplifier section : Pure-complementary SEPP power amplifier

Power requirements

AEP, West Germany models : 220 V AC, 50Hz
UK model : 240 V AC, 50Hz
Canadian model : 120V AC, 50Hz

Power consumption

Canadian	520 VA
AEP	210 W
UK	620 W
West Germany	330 W

AC outlet (Canadian model only)

2 switched, 1 unswitched, 100 watts max.each

Dimensions

Approx. 430 × 150 × 370mm (w/h/d)
(18 1/2 × 5 7/8 × 14 9/16 inches)

Weight

Approx. 11.6kg (25 lbs 10 oz) net

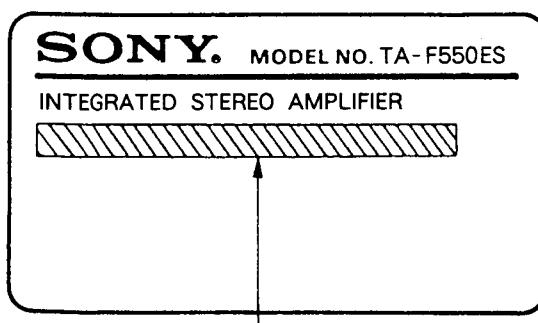
Design and specifications subject to change without notice.

Note

This appliance conforms with EEC directive 87/308/EEC regarding interference suppression.

MODEL IDENTIFICATION

— Specification Label —

**TABLE OF CONTENTS**

<u>Section</u>	<u>Title</u>	<u>Page</u>
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Model Identification	2	
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Parts Identification	4	
2. ELECTRICAL ADJUSTMENTS	5	
3. DIAGRAMS		
3-1. Printed Wiring Boards	8	
3-2. Schematic Diagram	13	
4. EXPLODED VIEWS	17	
5. ELECTRICAL PARTS LIST	19	

SERVICING NOTES

SAFETY CHECK-OUT

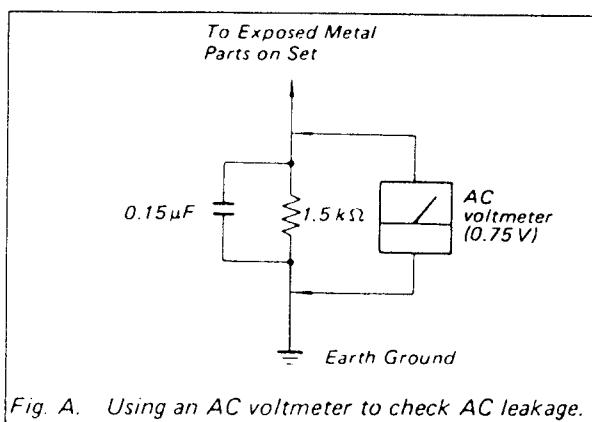
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

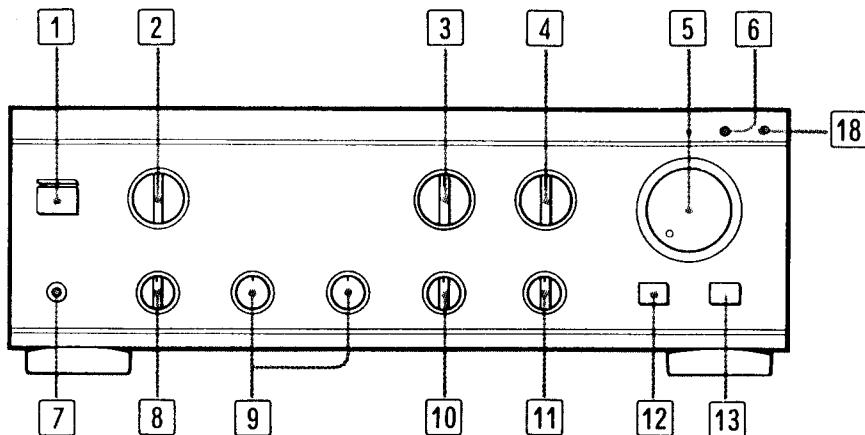
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1

GENERAL

Parts Identification



1 POWER switch and power/standby indicator

Immediately after turning ON the power, the standby indicator lights in red as the built-in muting circuit activates.

When the amplifier stays in a stable operating condition, the indicator lights in green.

The indicator lights in red when the unit detects shorting of circuit of the speaker outputs or in case of short-circuit of the inputs of DC components.

In such a case, disconnect the power source and check the connected components and speaker systems.

2 SPEAKERS selector

Select speaker system A or B, or both.

3 ADAPTOR/DIRECT IN switch

Set to NORMAL to select program source by INPUT SELECTOR. To listen to a program source processed through adapter (graphic equalizer, for example) connected to ADAPTOR jacks, set the selector to ADAPTOR.

To listen to a program source connected to DIRECT IN jacks, set it to DIRECT IN.

Note that selecting ADAPTOR has no effect upon the signals output through the REC OUT jacks.

4 INPUT SELECTOR

Selects the desired program source.

5 ATTENUATOR knob

Regulates the sound level.

6 MUTING switch and indicator

Generally, keep the switch released (OFF).

Depress the switch to reduce the sound level by 20 dB. (Output voltage becomes 1/10.)

7 HEADPHONES jack (stereo phone jack)

8 MODE selector

STEREO: For listening to a stereo program.
MONO: For listening to a monaural program.

9 BASS and TREBLE controls

10 REC OUT SELECTOR

Selects the program source sent to the REC OUT jacks (rear panel).

11 BALANCE control

Controls the sound level of left and right speakers.

12 SOURCE DIRECT switch and indicator

Depress the switch. The red indicator lights and the circuits of the tone control, subsonic filter switch, balance control and mode switch are disengaged without regard to the setting of the switches.

13 CARTRIDGE selector

Set the selector according to your cartridge.

MM: For moving-magnet type cartridge

MC: For moving-coil type cartridge

18 SUBSONIC filter switch

Depress the switch to reduce unwanted noise components of less than 15 Hz, which cause modulation noise.

SECTION 2

ELECTRICAL ADJUSTMENTS

PRECAUTIONS

1. Adjust the idling after tuning the unit on for about 10-15 minutes, giving it time to warm up.

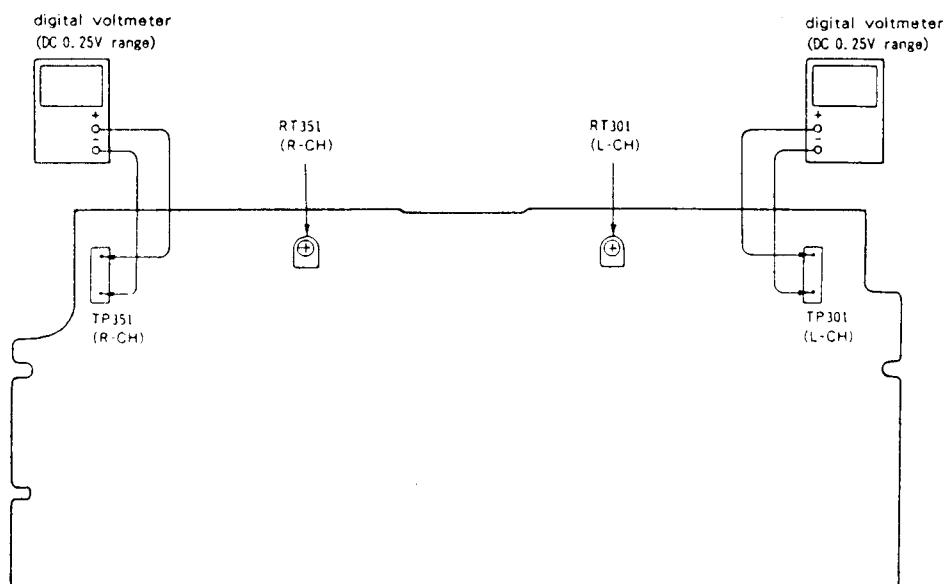
2. Always make sure to adjust the idling when repairing the power amp section or when replacing any parts.

【IDLING ADJUSTMENT】

Procedure :

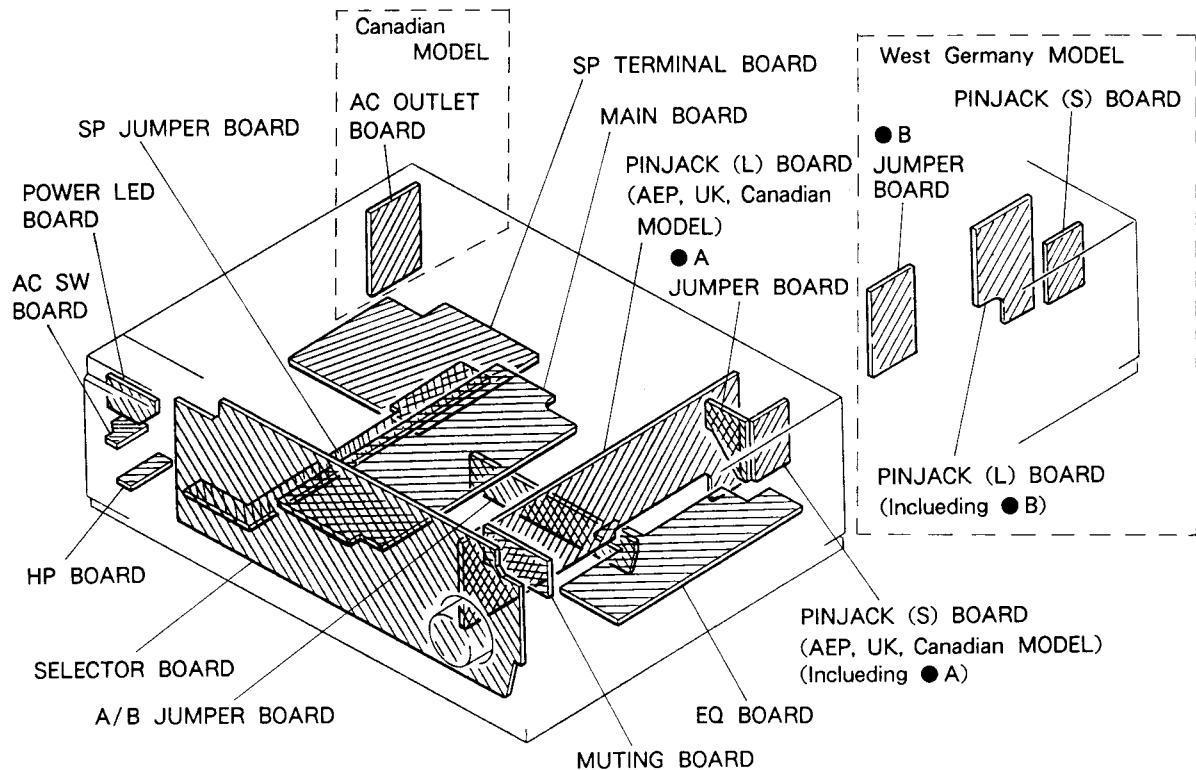
Set the ATTENUATOR control as low as possible and adjust RT301 (L-CH) and RT351 (R-CH) so that the voltmeter reads 7mV at TP301 (L-CH) and TP351 (R-CH).

Adjustment Location: power board



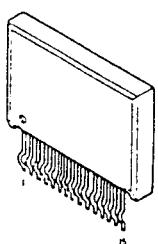
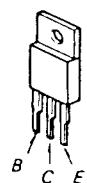
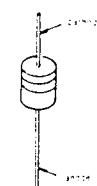
SECTION 3 DIAGRAMS

CIRCUIT BOARDS LOCATION

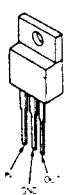


● Semiconductor Lead Layouts

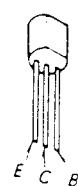
STK-3102N

2SA985A
2SC2275AUZL-7M1
1SS120
11ES2

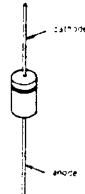
M5F7815L



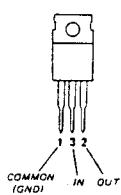
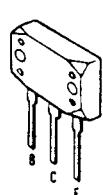
2SA988-F



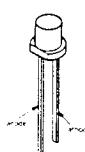
30DF2



M5F7915L

2SA1215M-0
2SC2921M-0

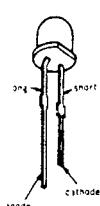
SEL2213C-C

2SA733-QP
2SC945-P
2SC2545

2SC3423



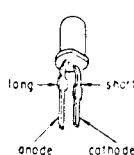
SEL2510C



2SD774-34



SEL2810A-C

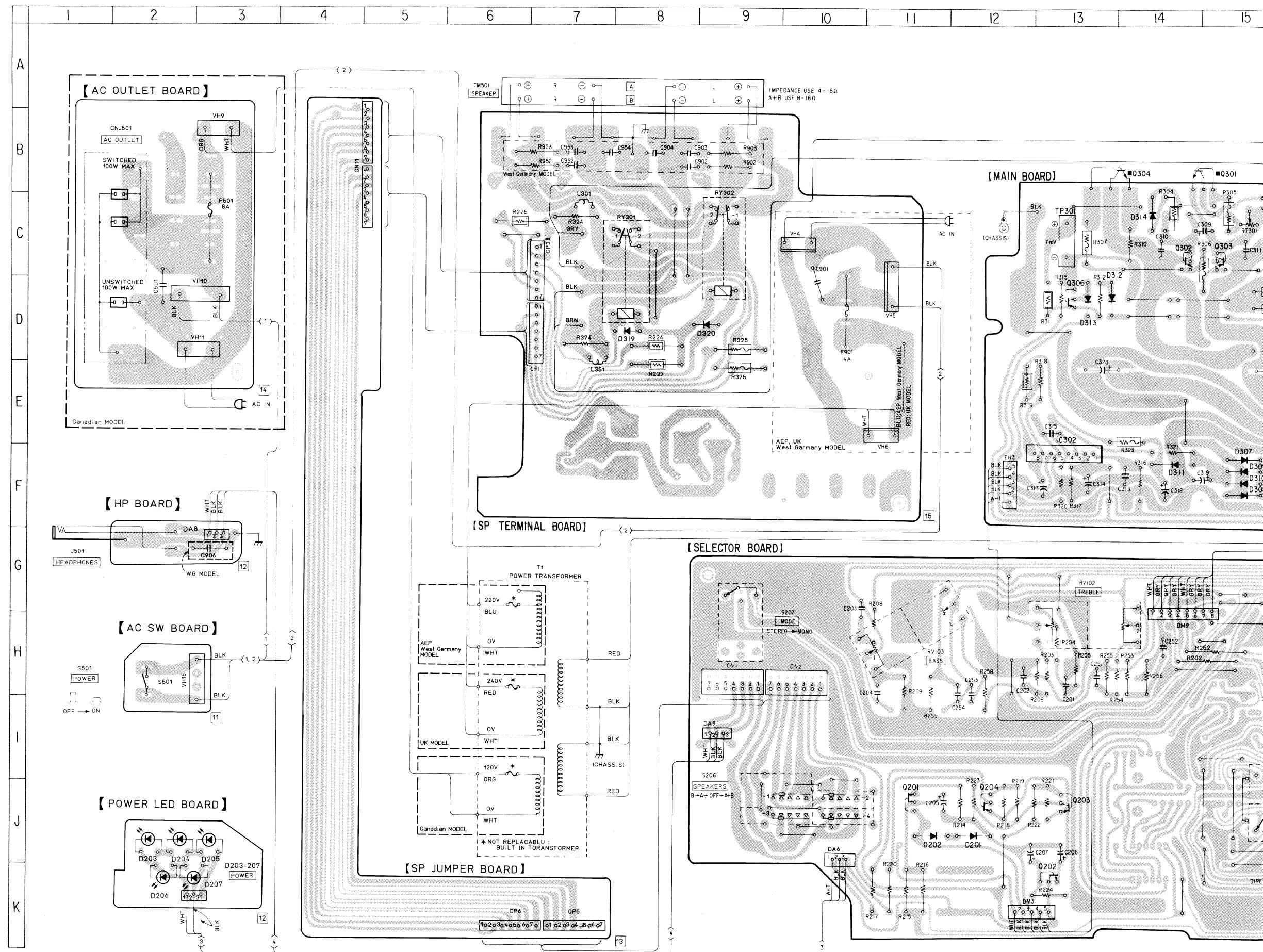


3-1. PRINTED WIRING BOARDS

- See page 7 for Semiconductor Lead Layouts.

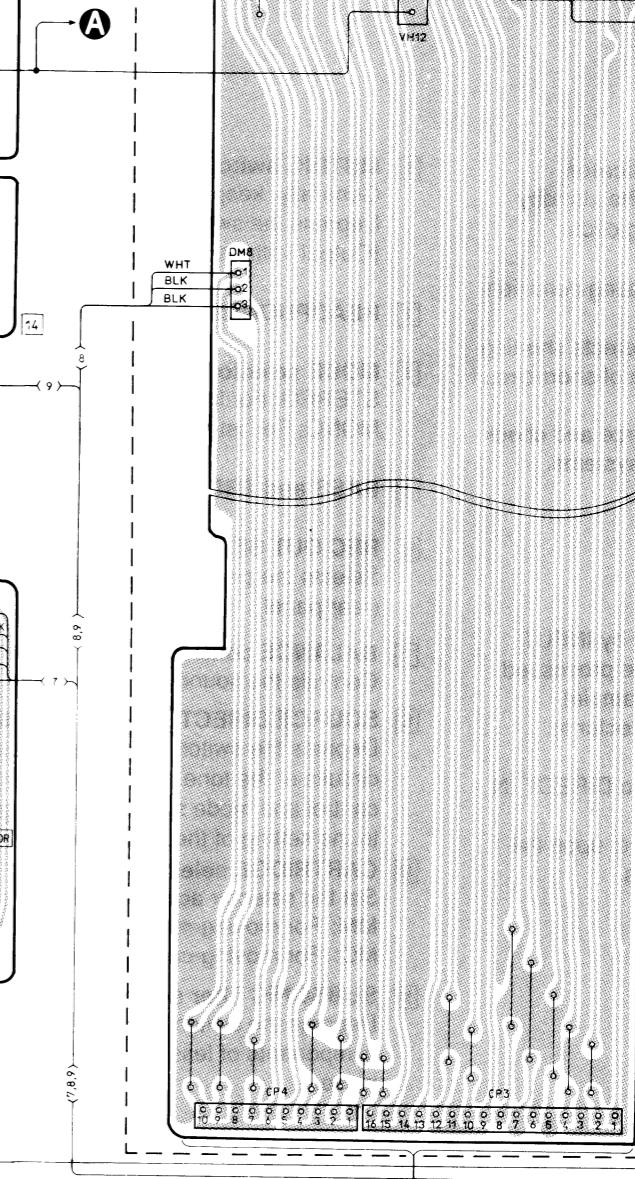
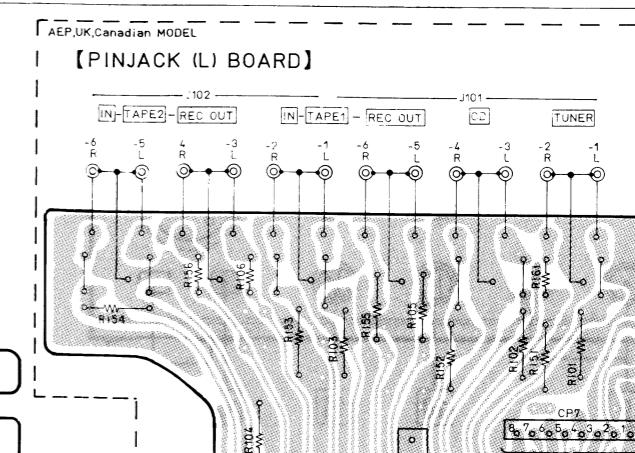
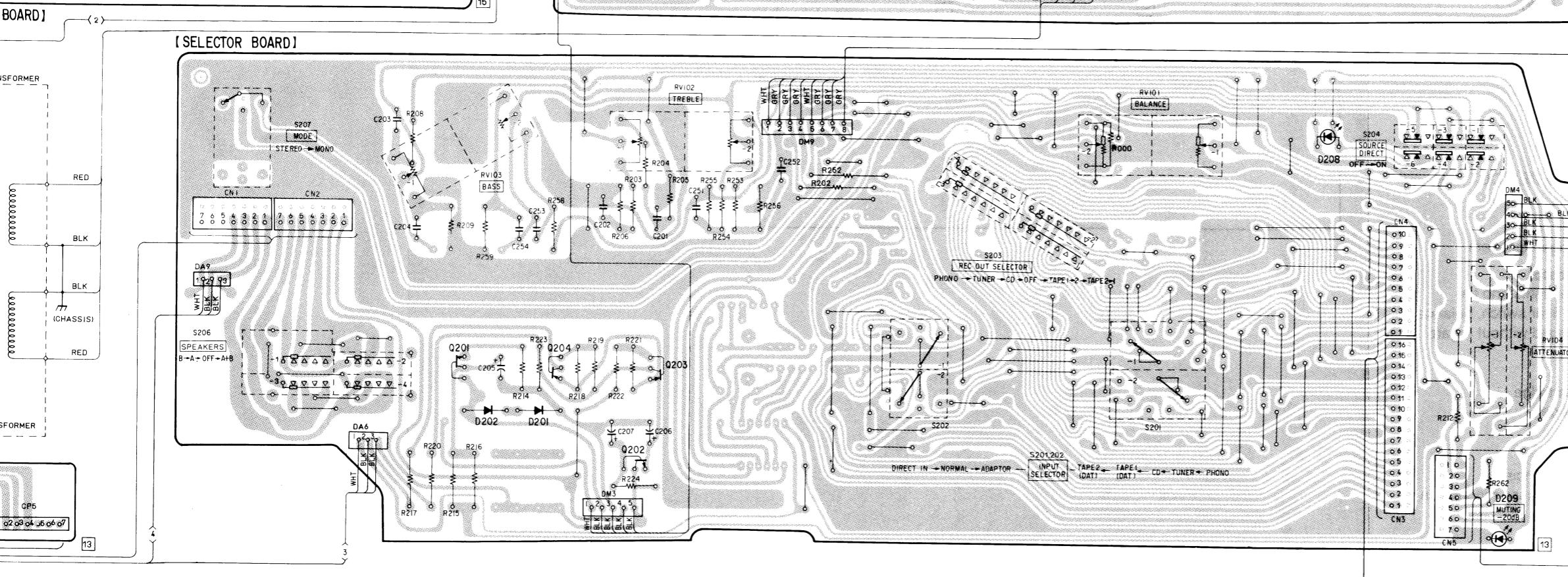
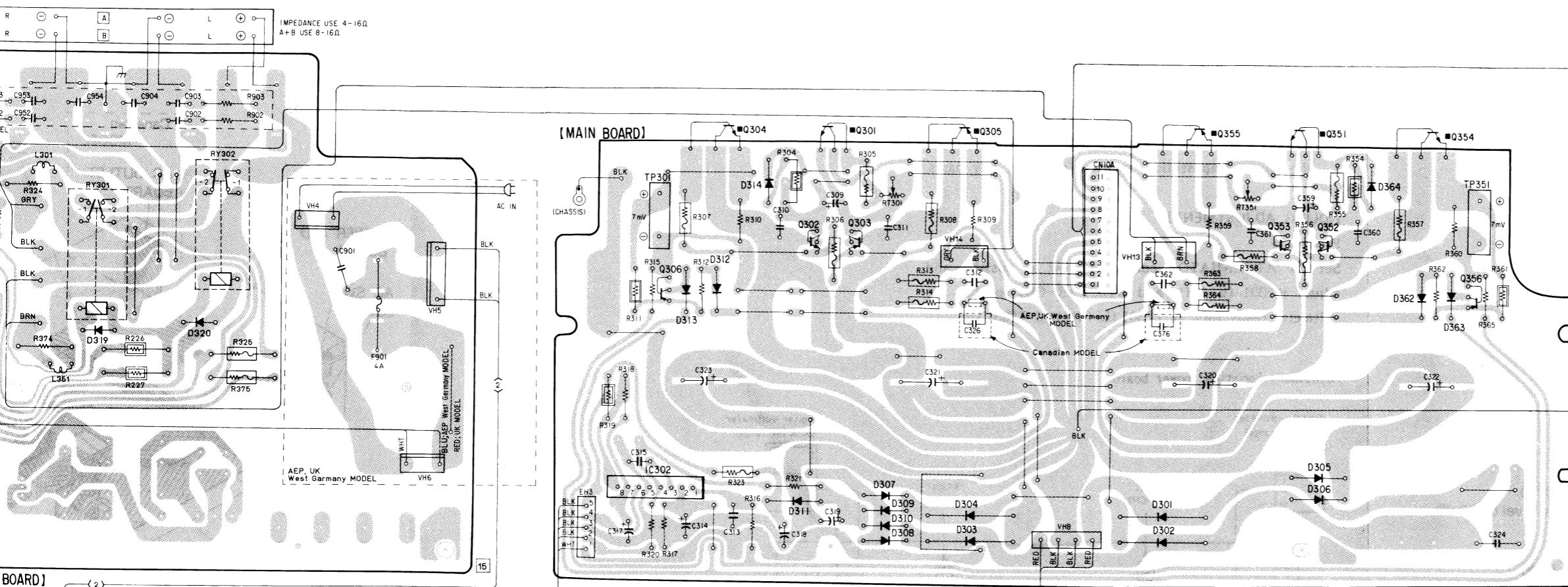
● Semiconductor Location

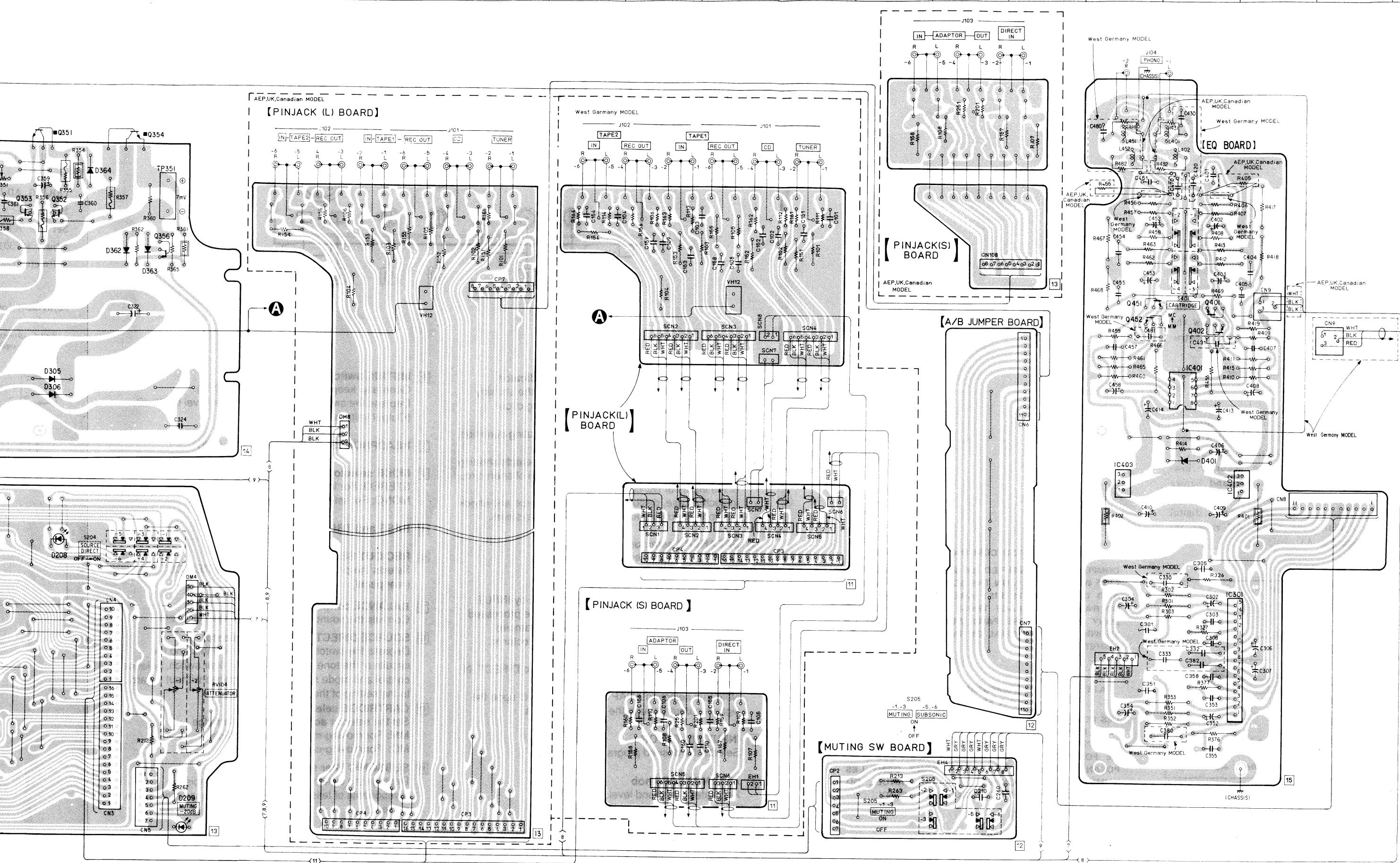
Ref. No.	Location	Ref. No.	Location
D201	J- 12	D401	F- 34
D202	J- 11		
D203	J- 2	IC301	I- 35
D204	J- 2	IC302	F- 13
D205	J- 3	IC401	F- 34
D206	K- 2	IC402	G- 35
D207	K- 3	IC403	G- 33
D208	H- 19		
D209	K- 21	Q201	J- 11
D301	F- 18	Q202	K- 13
D302	F- 18	Q203	J- 13
D303	F- 16	Q204	J- 12
D304	F- 16	Q301	B- 15
D305	E- 19	Q302	C- 14
D306	F- 19	Q303	C- 15
D307	F- 15	Q304	B- 14
D308	F- 15	Q305	B- 16
D309	F- 15	Q306	D- 13
D310	F- 15	Q351	B- 19
D311	F- 14	Q352	C- 19
D312	D- 13	Q353	C- 19
D313	D- 13	Q354	B- 20
D314	C- 14	Q355	B- 18
D319	D- 8	Q356	D- 21
D320	D- 9	Q401	E- 34
D362	D- 20	Q402	E- 34
D363	D- 20	Q451	D- 33
D364	C- 20	Q452	E- 33



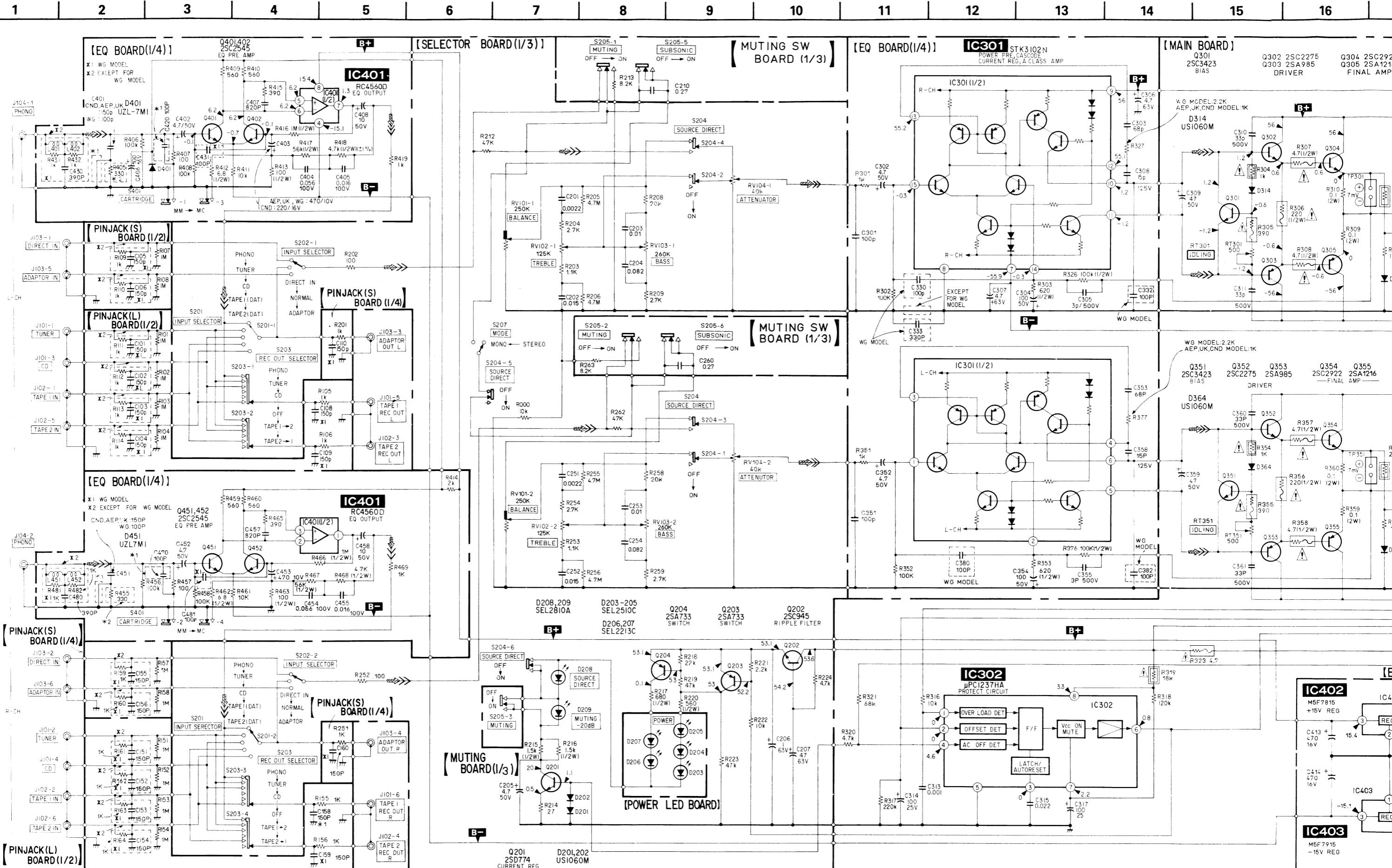
Note on Mounting Diagram:

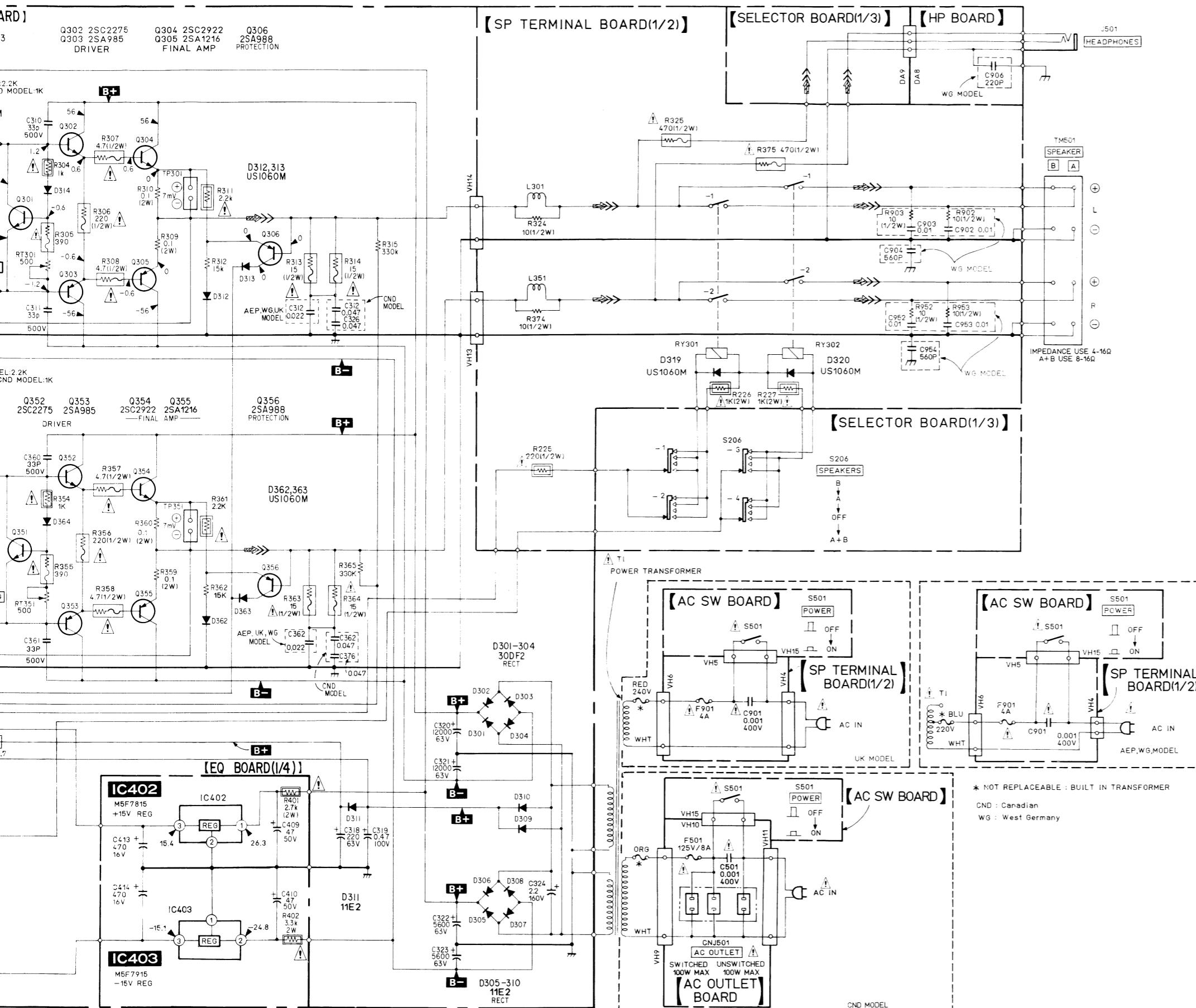
- : parts extracted from the component side.
- : parts mounted on the conductor side.
- ▨ : Pattern on the side which is seen.





3-2. SCHEMATIC DIAGRAM





Note on Schematic Diagram

- All capacitors are in μF unless otherwise noted. pF: $\mu\mu\text{F}$
50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
-  : nonflammable resistor.
-  : fusible resistor.

Note:
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

e:
composants identifiés par
marque  sont critiques
r la sécurité.
les remplacer que par une
ce portant le numéro spéci-

- **B+** : B + Line
- **B-** : B - Line
- : adjustment for repair
- Voltage and waveforms are dc with respect to ground under no-signal conditions.

no mark : PHONO

- Voltages are taken with a VOM (Input **impedance** 10M Ω)
Voltage variations may be noted due to normal production tolerances.
- Voltage variations may be noted due to normal production tolerances.
- Signal path.

»»» : PHONO

- **WG** : West Germany
- **CND** : Canadian
- **SP JUMPER BOARD**, **A/B JUMPER BOARD** and a parts of connector omitted from this circuit diagrams.

SECTION 4

EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a callout number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

• Color Indication of Appearance Parts
Example:

(RED) ... KNOB, BALANCE (WHITE)

↑
Cabinet's Color

↑

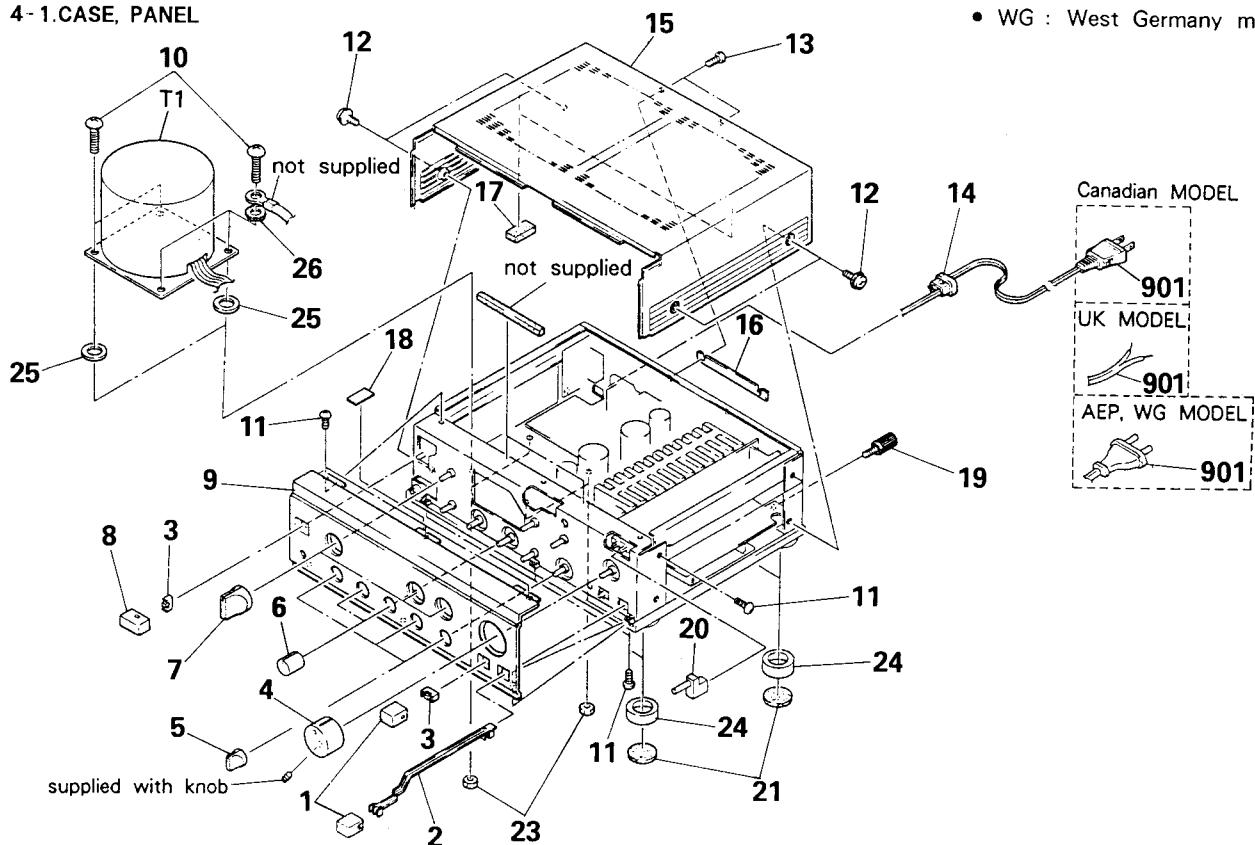
Parts' Color

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

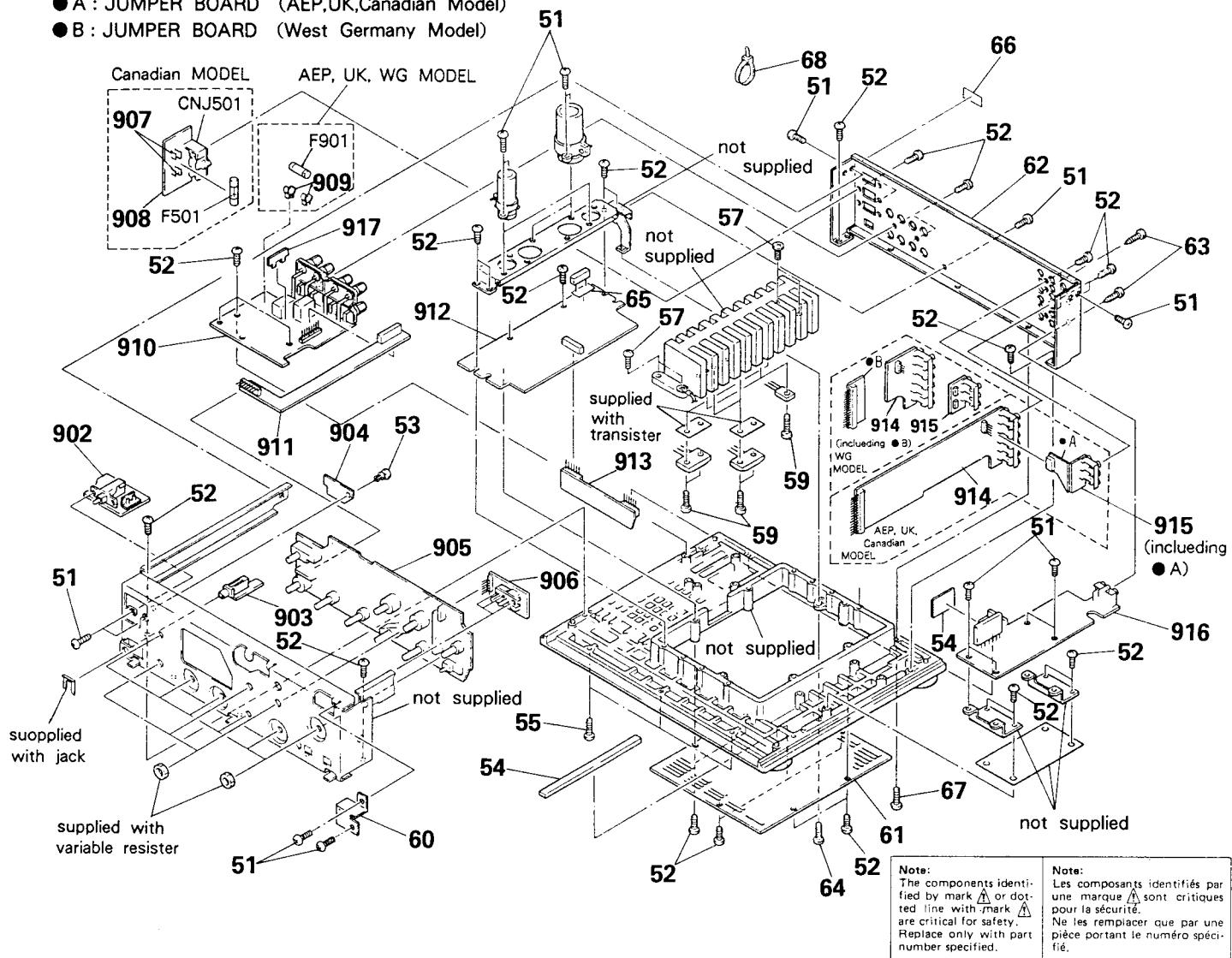
- WG : West Germany model

4-1.CASE, PANEL


No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-908-875-01	(BLACK) ... KNOB, SQUARE		13	7-685-873-09	SCREW +BVTT 3X10 (S)	
	4-908-875-12	(GRAY) ... KNOB, SQUARE		14	*3-703-244-00	BUSHING (2104), CORD	
2	4-929-227-01	JOINT		15	4-916-737-31	(BLACK) ... CASE	
3	4-864-307-00	RING			4-916-737-51	(GRAY) ... CASE	
4	4-929-224-01	(BLACK) ... KNOB (NA-48)		16	*4-929-232-01	SPACER	
	4-929-224-11	(GRAY) ... KNOB (NA-48)		17	*2-527-517-00	CUSHION, CASE RETAINER	
5	4-937-831-01	(BLACK) ... KNOB (FLAT-21)		18	*3-846-067-21	SPACER (C)	
	4-937-831-11	(GRAY) ... KNOB (FLAT-21)		19	*4-941-033-01	SCREW, FIXED, FEEDER	
6	4-937-833-01	(BLACK) ... KNOB (ROUND-21)		20	4-923-879-01	(BLACK) ... BUTTON (DIA.4)	
	4-937-833-11	(GRAY) ... KNOB (ROUND-21)			4-923-879-12	(GRAY) ... BUTTON (DIA.4)	
7	4-937-832-01	(BLACK) ... KNOB (FLAT-29)		21	*4-923-850-01	FOOT (DIA. 46)	
	4-937-832-11	(GRAY) ... KNOB (FLAT-29)		23	7-684-024-04	N 4, TYPE 2	
8	4-908-856-01	(BLACK) ... KNOB, SQUARE		24	4-923-882-02	RING(LARGE-16), ORNAMENTAL, FOOT	
	4-908-856-12	(GRAY) ... KNOB, SQUARE		25	4-885-984-21	WASHER	
9	A-4323-591-A	(AEP, WG:BLACK) ... PANEL ASSY, FRONT		26	7-623-423-07	LW 4, TYPE B	
	A-4323-673-A	(AEP, WG:GRAY) ... PANEL ASSY, FRONT		901	i.1-574-383-11	(AEP, WG) ... CORD, POWER	
	A-4323-592-A	(UK, Canadian) ... PANEL ASSY, FRONT			i.1-574-884-11	(UK) ... CORD, POWER (WITH CONNECTOR)	
10	7-682-566-09	SCREW +B 4X20			i.1-575-105-11	(Canadian) ... CORD, POWER	
11	7-682-547-09	SCREW +BVTT 3X6 (S)		T1	i.1-450-170-11	(Canadian) ... TRANSFORMER, POWER	
12	4-847-802-00	SCREW		T1	i.1-450-173-11	(AEP, WG) ... TRANSFORMER, POWER	
				T1	i.1-450-174-11	(UK) ... TRANSFORMER, POWER	

4-2.CHASSIS, BACK PANEL

- A : JUMPER BOARD (AEP,UK,Canadian Model)
- B : JUMPER BOARD (West Germany Model)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	7-682-547-09	SCREW +BVTT 3X8 (S)		907	1-533-190-11	(Canadian)...CLIP, FUSE	
52	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT		908	*1-629-755-11	(Canadian)...PC BOARD, AC OUTLET	
53	4-812-134-00	RIVET NYLON, 3.5		909	1-533-183-11	(EXCEPT Canadian)...HOLDER, FUSE	
54	*4-916-782-21	DAMPER		910	*1-629-753-15	PC BOARD, SP TERMINAL	
55	7-685-873-09	SCREW +BVTT 3X10 (S)		911	*1-629-757-13	(EXCEPT WG)...PC BOARD, SP JAMPER	
57	7-685-650-79	SCREW +BVTP 3X16 TYPE2 SLIT			*1-635-839-11	(WG).....PC BOARD, SP JAMPER	
59	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3		912	*A-4334-889-A	(AEP).....MOUNTED PCB, MAIN	
60	*4-937-801-01	BRACKET, SW			*A-4334-897-A	(Canadian).....MOUNTED PCB, MAIN	
61	*4-916-732-01	BOARD, BOTTOM			*A-4334-900-A	(UK).....MOUNTED PCB, MAIN	
62	*4-929-233-03	(Canadian).....PANEL, BACK			*A-4341-271-A	(WG).....MOUNTED PCB, MAIN	
	*4-929-233-11	(EXCEPT Canadian)...PANEL, BACK		913	*1-629-750-11	PC BOARD, A/B JUMPER	
63	7-621-849-00	SCREW, TAPPING		914	*1-629-758-13	(EXCEPT WG)...PC BOARD, PIN JACK (L)	
64	7-685-874-09	SCREW +BVTT 3X12 (S)			*1-635-837-11	(WG).....PC BOARD, PIN JACK (L)	
65	4-921-941-31	(UK)...CUSHION (FL)		915	*1-629-756-12	(EXCEPT WG)...PC BOARD, PIN JACK (S)	
66	3-703-270-00	(Canadian)...LABEL, AC 120V 60HZ			*1-635-838-11	(WG).....PC BOARD, PIN JACK (S)	
67	7-685-876-09	SCREW +BVTT 3X16 (S)		916	*A-4334-895-A	(WG).....MOUNTED PCB, EQ	
68	3-655-653-21	BAND (TAITON), BINDING			*A-4334-898-A	(AEP, Canadian).....MOUNTED PCB, EQ	
					*A-4334-901-A	(UK).....MOUNTED PCB, EQ	
902	*1-635-841-11	PC BOARD, AC SW		917	*1-560-242-61	BUS BAR 2P	
903	*1-629-749-11	PC BOARD, HP			CNJ501.1-540-062-11	(Canadian)...OUTLET, AC (POLAR)	
904	*1-629-751-11	PC BOARD, POWER LED			F501.1-532-510-11	(Canadian)...FUSE, GLASE-TUBE (8A)	
905	*A-4410-962-A	MOUNTED PCB, SELECTOR			F901.1-532-350-00	(EXCEPT Canadian)...FUSE, TIME-LAG (4A)	
906	*1-629-747-11	PC BOARD, MUTING					

SECTION 5

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: $\mu\mu$ F.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:
UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC, UPD...: μ PD...

The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- WG : West Germany model

Ref.No.	Part No.	Description					Ref.No.	Part No.	Description				
901	1-574-383-11	(AEP,WG).....CORD, POWER					C158	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V	
	1-574-884-11	(UK)...CORD, POWER (WITH CONNECTOR)					C159	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V	
	1-575-105-11	(Canadian)...CORD, POWER					C160	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V	
902	*1-635-841-11	PC BOARD, AC SW					C201	1-130-475-00	MYLAR	0.0022MF	5%	50V	
903	*1-629-749-11	PC BOARD, HP					C202	1-130-485-00	MYLAR	0.015MF	5%	50V	
904	*1-629-751-11	PC BOARD, POWER LED					C203	1-130-483-00	MYLAR	0.01MF	5%	50V	
905	*A-4410-962-A	OUNTED PCB, SELECTOR					C204	1-136-164-00	FILM	0.082MF	5%	50V	
906	*1-629-747-11	PC BOARD, MUTING					C205	1-123-369-00	ELECT	4.7MF	20%	50V	
907	1-533-190-11	(Canadian)...CLIP, FUSE					C206	1-123-380-00	ELECT	1MF	20%	63V	
908	*1-629-755-11	(Canadian)...PC BOARD, AC OUTLET					C207	1-124-918-11	ELECT	47MF	20%	63V	
909	1-533-183-11	(EXCEPT Canadian)...HOLDER, FUSE					C210	1-136-170-00	FILM	0.27MF	5%	50V	
910	*1-629-753-15	PC BOARD, SP TERMINAL					C251	1-130-475-00	MYLAR	0.0022MF	5%	50V	
911	*1-629-757-13	(EXCEPT WG)...PC BOARD, SP JAMPER					C252	1-130-485-00	MYLAR	0.015MF	5%	50V	
	*1-635-839-11	(WG).....PC BOARD, SP JAMPER					C253	1-130-483-00	MYLAR	0.01MF	5%	50V	
912	*A-4334-889-A	(AEP).....OUNTED PCB, MAIN					C254	1-136-164-00	FILM	0.082MF	5%	50V	
	*A-4334-897-A	(Canadian)...OUNTED PCB, MAIN					C260	1-136-170-00	FILM	0.27MF	5%	50V	
	*A-4334-900-A	(UK).....OUNTED PCB, MAIN					C301	1-136-808-11	FILM	100PF	5%	100V	
	*A-4341-271-A	(WG).....OUNTED PCB, MAIN					C302	1-123-369-00	ELECT	4.7MF	20%	50V	
913	*1-629-750-11	PC BOARD, A/B JUMPER					C303	1-104-276-11	POLYSTYRENE	68PF	10%	50V	
914	*1-629-758-13	(EXCEPT WG)...PC BOARD, PIN JACK (L)					C304	1-126-052-11	ELECT	100MF	20%	50V	
	*1-635-837-11	(WG).....PC BOARD, PIN JACK (L)					C305	1-107-044-00	MICA	3PF	0.5PF	500V	
915	*1-629-756-12	(EXCEPT WG)...PC BOARD, PIN JACK (S)					C306	1-123-369-00	ELECT	4.7MF	20%	63V	
	*1-635-838-11	(WG).....PC BOARD, PIN JACK (S)					C307	1-123-369-00	ELECT	4.7MF	20%	63V	
916	*A-4334-895-A	(WG).....OUNTED PCB, EQ					C308	1-104-263-00	POLYSTYRENE	15PF	10%	125V	
	*A-4334-898-A	(AEP,Canadian)...OUNTED PCB, EQ					C309	1-124-910-11	ELECT	47MF	20%	50V	
	*A-4334-901-A	(UK).....OUNTED PCB, EQ					C310	1-107-159-00	MICA	33PF	5%	500V	
917	*1-560-242-61	BUS BAR 2P					C311	1-107-159-00	MICA	33PF	5%	500V	
C101	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C312	1-130-487-00	(EXCEPT Canadian)....MYLAR	0.022MF	5%	50V	
C102	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C312	1-136-161-11	(Canadian)....FILM	0.047MF	50V		
C103	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C313	1-130-471-00	MYLAR	0.001MF	5%	50V	
C104	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C314	1-123-333-00	ELECT	100MF	20%	25V	
C105	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C315	1-130-487-00	MYLAR	0.022MF	5%	50V	
C106	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C317	1-123-333-00	ELECT	100MF	20%	25V	
C108	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C318	1-123-604-00	ELECT	220MF	20%	63V	
C109	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C319	1-123-379-00	ELECT	0.47MF	20%	100V	
C110	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C320	1-125-460-11	ELECT	12000MF		63V	
C151	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C321	1-125-460-11	ELECT	12000MF		63V	
C152	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C322	1-125-558-11	ELECT	5600MF		63V	
C153	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C323	1-125-558-11	ELECT	5600MF		63V	
C154	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C324	1-136-880-11	FILM	2.2MF	10%	160V	
C155	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C326	1-136-161-11	(Canadian)....FILM	0.047MF	50V		
C156	1-162-284-31	(WG)....CERAMIC	150PF	10%	50V		C330	1-162-282-31	(WG)....CERAMIC	100PF	5%	50V	
							C332	1-162-282-31	(WG)....CERAMIC	100PF	5%	50V	
							C333	1-162-288-31	(WG)....CERAMIC	330PF	10%	50V	

Ref.No.	Part No.	Description					Ref.No.	Part No.	Description						
C351	1-136-808-11	FILM	100PF	5%	100V		CN8	*1-563-381-11	SOCKET, CONNECTOR 11P						
C352	1-123-369-00	ELECT	4.7MF	20%	50V		CN9	*1-566-451-11	HOUSING, CONNECTOR 3P						
C353	1-104-276-11	POLYSTYRENE	68PF	10%	50V		CN10	*1-563-381-11	SOCKET, CONNECTOR 11P						
C354	1-126-052-11	ELECT	100MF	20%	50V		CN11	1-568-117-11	SOCKET, CONNECTOR 14P						
C355	1-107-044-00	MICA	3PF	0.5PF	500V		CNJ501	i-540-062-11	(Canadian)...OUTLET, AC (POLAR)						
C358	1-104-263-00	POLYSTYRENE	15PF	10%	125V		CP1	*1-560-532-00	PIN, CONNECTOR 7P						
C359	1-124-910-11	ELECT	47MF	20%	50V		CP2	*1-560-532-00	PIN, CONNECTOR 7P						
C360	1-107-159-00	MICA	33PF	5%	500V		CP3	*1-568-204-11	PIN, CONNECTOR (PC BOARD) 16P						
C361	1-107-159-00	MICA	33PF	5%	500V		CP3A	*1-560-532-00	PIN, CONNECTOR 7P						
C362	1-130-487-00	(EXCEPT Canadian)	...MYLAR	0.022MF	5%	50V		CP4	*1-568-202-11	PIN, CONNECTOR (PC BOARD) 10P					
C362	1-136-161-11	(Canadian)...FILM	0.047MF			50V		CP5	1-568-120-11	PIN, CONNECTOR (PC BOARD) 7P					
C376	1-136-161-11	(Canadian)...FILM	0.047MF			50V		CP6	1-568-120-11	PIN, CONNECTOR (PC BOARD) 7P					
C380	1-162-282-31	(WG)...CERAMIC	100PF	5%	50V		D201	8-719-912-20	DIODE 1SS120						
C382	1-162-282-31	(WG)...CERAMIC	100PF	5%	50V		D202	8-719-912-20	DIODE 1SS120						
C401	1-102-973-00	(WG).....CERAMIC	100PF	5%	50V		D203	8-719-303-00	LED SEL2510C-C (POWER)						
C401	1-104-282-11	(EXCEPT WG)...FILM	150PF			50V		D204	8-719-303-00	LED SEL2510C-C (POWER)					
C402	1-123-369-00	ELECT	4.7MF	20%	50V		D205	8-719-303-00	LED SEL2510C-C (POWER)						
C403	1-124-997-11	ELECT	470MF	20%	10V		D206	8-719-302-23	LED SEL2213C-C (POWER)						
C404	1-130-341-00	FILM	0.056MF	3%	100V		D207	8-719-302-23	LED SEL2213C-C (POWER)						
C405	1-130-971-00	FILM	0.016MF	3%	100V		D208	8-719-301-52	LED SEL2810A-C (SOURCE DIRECT)						
C406	1-123-333-00	ELECT	100MF	20%	16V		D209	8-719-301-52	LED SEL2810A-C (MUTING -20dB)						
C407	1-130-470-00	MYLAR	820PF	5%	50V		D301	8-719-230-02	DIODE 30DF2-FC						
C408	1-126-059-11	ELECT	10MF	20%	50V		D302	8-719-230-02	DIODE 30DF2-FC						
C409	1-124-910-11	ELECT	47MF	20%	50V		D303	8-719-230-02	DIODE 30DF2-FC						
C410	1-124-910-11	ELECT	47MF	20%	50V		D304	8-719-230-02	DIODE 30DF2-FC						
C413	1-126-103-11	ELECT	470MF	20%	16V		D305	8-719-200-82	DIODE 11ES2						
C414	1-126-103-11	ELECT	470MF	20%	16V		D306	8-719-200-82	DIODE 11ES2						
C420	1-162-282-31	(WG)...CERAMIC	100PF	10%	50V		D307	8-719-200-82	DIODE 11ES2						
C430	1-110-342-11	(WG)...MYLAR	390PF	5%	50V		D308	8-719-200-82	DIODE 11ES2						
C431	1-162-282-31	(WG)...CERAMIC	100PF	5%	50V		D309	8-719-200-82	DIODE 11ES2						
C455	1-130-971-00	FILM	0.016MF	3%	100V		D310	8-719-200-82	DIODE 11ES2						
C457	1-130-470-00	MYLAR	820PF	5%	50V		D311	8-719-200-82	DIODE 11ES2						
C458	1-126-059-11	ELECT	10MF	20%	50V		D312	8-719-912-20	DIODE 1SS120						
C470	1-162-282-31	(WG)...CERAMIC	100PF	10%	50V		D313	8-719-912-20	DIODE 1SS120						
C480	1-110-342-11	(WG)...MYLAR	390PF	5%	50V		D314	8-719-912-20	DIODE 1SS120						
C481	1-162-282-31	(WG)...CERAMIC	100PF	5%	50V		D319	8-719-912-20	DIODE 1SS120						
C501	i-1-161-941-11	(Canadian)...CERAMIC	0.001MF			400V		D320	8-719-912-20	DIODE 1SS120					
C901	i-1-161-741-00	(EXCEPT Canadian)	...CERAMIC	0.001MF	10%	400V		D362	8-719-912-20	DIODE 1SS120					
C902	1-136-153-00	(WG)...FILM	0.01MF	5%	50V		D363	8-719-912-20	DIODE 1SS120						
C903	1-136-153-00	(WG)...FILM	0.01MF	5%	50V										
C904	1-102-115-00	(WG)...CERAMIC	560PF	10%	50V										
C906	1-162-286-31	(WG)...CERAMIC	220PF	10%	50V		F501	i-1-532-510-11	(Canadian).....FUSE, GLASE-TUBE (8A)						
C952	1-136-153-00	(WG)...FILM	0.01MF	5%	50V		F901	i-1-532-350-00	(EXCEPT Canadian)...FUSE, TIME-LAG (4A)						
C953	1-136-153-00	(WG)...FILM	0.01MF	5%	50V										
C954	1-102-115-00	(WG)...CERAMIC	560PF	10%	50V		IC301	8-749-921-87	IC STK-3102N						
CN1	*1-561-651-00	SOCKET, CONNECTOR	7P				IC302	8-759-111-68	IC UPC1237HA						
CN2	*1-561-651-00	SOCKET, CONNECTOR	7P				IC401	8-759-981-96	IC RC4560D						
CN3	1-568-118-11	SOCKET, CONNECTOR	16P												
CN4	*1-562-334-00	SOCKET, CONNECTOR	10P				IC402	8-759-604-34	IC M5F7815L						
CN5	*1-561-651-00	SOCKET, CONNECTOR	7P				IC403	8-759-604-52	IC M5F7915L						
CN6	1-568-203-11	PIN, CONNECTOR (PC BOARD)	11P												
CN7	1-568-203-11	PIN, CONNECTOR (PC BOARD)	11P				J101	*1-580-028-11	JACK, PIN 6P (TUNER/CD/TAPE 1,REC OUT)						
							J102	*1-580-027-11	JACK, PIN 6P (TAPE 2 REC OUT)						
							J103	*1-580-028-11	JACK, PIN 6P (ADAPTOR IN/OUT,DIRECT IN)						

Note:	Note:
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description					Ref.No.	Part No.	Description				
J104	1-568-250-21	JACK, PIN 2P (PHONO)					R163	1-249-417-11	(WG)...CARBON	1K	5%	1/4W	
J501	1-507-863-51	JACK, LARGE TYPE (HEADPHONES)					R164	1-249-417-11	(WG)...CARBON	1K	5%	1/4W	
L301	1-428-133-11	COIL, AIR-CORE					R201	1-249-417-11	CARBON	1K	5%	1/4W	
L351	1-428-133-11	COIL, AIR-CORE					R202	1-247-700-11	CARBON	100	5%	1/4W	
L401	1-424-397-11	(WG)...COIL, CHOKE 200UH					R203	1-247-132-00	CARBON	1.1K	5%	1/4W	
L402	1-424-397-11	(WG)...COIL, CHOKE 200UH					R204	1-247-718-11	CARBON	2.7K	5%	1/4W	
L451	1-424-397-11	(WG)...COIL, CHOKE 200UH					R205	1-249-753-15	CARBON	4.7M	5%	1/4W	
L452	1-424-397-11	(WG)...COIL, CHOKE 200UH					R206	1-249-753-15	CARBON	4.7M	5%	1/4W	
Q201	8-729-140-96	TRANSISTOR 2SD774-34					R208	1-247-162-00	CARBON	20K	5%	1/4W	
Q202	8-729-194-57	TRANSISTOR 2SC945-P					R209	1-247-718-11	CARBON	2.7K	5%	1/4W	
Q203	8-729-141-03	TRANSISTOR 2SA733-QP					R212	1-249-465-11	CARBON	47K	5%	1/4W	
Q204	8-729-141-03	TRANSISTOR 2SA733-QP					R213	1-247-152-00	CARBON	8.2K	5%	1/4W	
Q302	8-729-107-53	TRANSISTOR 2SC2275A					R214	1-247-693-11	CARBON	27	5%	1/4W	
Q301	8-729-203-45	TRANSISTOR 2SC3423-0					R215	1-247-754-11	CARBON	1.5K	5%	1/2W	
Q303	8-729-190-53	TRANSISTOR 2SA985					R216	1-247-754-11	CARBON	1.5K	5%	1/2W	
Q304	8-729-320-03	TRANSISTOR 2SC2921M-0					R217	1-247-750-11	CARBON	680	5%	1/2W	
Q305	8-729-320-01	TRANSISTOR 2SA1215M-0					R218	1-249-462-11	CARBON	22K	5%	1/4W	
Q306	8-729-108-14	TRANSISTOR 2SA988-F					R219	1-249-465-11	CARBON	47K	5%	1/4W	
Q351	8-729-203-45	TRANSISTOR 2SC3423-0					R220	1-247-749-11	CARBON	560	5%	1/2W	
Q352	8-729-107-53	TRANSISTOR 2SC2275A					R221	1-247-717-11	CARBON	2.2K	5%	1/4W	
Q353	8-729-190-53	TRANSISTOR 2SA985A					R222	1-247-725-11	CARBON	10K	5%	1/4W	
Q354	8-729-320-03	TRANSISTOR 2SC2921M-0					R223	1-249-465-11	CARBON	47K	5%	1/4W	
Q355	8-729-320-01	TRANSISTOR 2SA1215M-0					R224	1-247-721-11	CARBON	4.7K	5%	1/4W	
Q356	8-729-108-14	TRANSISTOR 2SA988-F					R225	1-247-743-11	CARBON	220	5%	1/2W	
Q401	8-729-354-52	TRANSISTOR 2SC2545					R226	1-215-892-11	METAL OXIDE	1K	5%	2W	
Q402	8-729-354-52	TRANSISTOR 2SC2545					R227	1-215-892-11	METAL OXIDE	1K	5%	2W	
Q451	8-729-354-52	TRANSISTOR 2SC2545					R251	1-249-417-11	CARBON	1K	5%	1/4W	
Q452	8-729-354-52	TRANSISTOR 2SC2545					R252	1-247-700-11	CARBON	100	5%	1/4W	
R000	1-247-725-11	CARBON	10K	5%	1/4W		R253	1-247-132-00	CARBON	1.1K	5%	1/4W	
R101	1-246-545-00	CARBON	1M	5%	1/4W		R254	1-247-718-11	CARBON	2.7K	5%	1/4W	
R102	1-246-545-00	CARBON	1M	5%	1/4W		R255	1-249-753-15	CARBON	4.7M	5%	1/4W	
R103	1-246-545-00	CARBON	1M	5%	1/4W		R256	1-249-753-15	CARBON	4.7M	5%	1/4W	
R104	1-246-545-00	CARBON	1M	5%	1/4W		R258	1-247-162-00	CARBON	20K	5%	1/4W	
R105	1-247-713-11	CARBON	1K	5%	1/4W		R259	1-247-718-11	CARBON	2.7K	5%	1/4W	
R106	1-249-417-11	CARBON	1K	5%	1/4W		R262	1-249-465-11	CARBON	47K	5%	1/4W	
R107	1-246-545-00	CARBON	1M	5%	1/4W		R263	1-247-152-00	CARBON	8.2K	5%	1/4W	
R108	1-246-545-00	CARBON	1M	5%	1/4W		R301	1-247-713-11	CARBON	1K	5%	1/4W	
R109	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R302	1-249-469-11	CARBON	100K	5%	1/4W	
R110	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R303	1-249-668-11	CARBON	620	5%	1/2W	
R111	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R304	1-249-417-11	CARBON	1K	5%	1/4W	
R112	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R305	1-212-895-01	FUSIBLE	390	5%	1/4W	
R113	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R306	1-212-990-00	FUSIBLE	220	5%	1/2W	
R114	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R307	1-212-950-00	FUSIBLE	4.7	5%	1/2W	
R115	1-246-545-00	CARBON	1M	5%	1/4W		R308	1-212-950-00	FUSIBLE	4.7	5%	1/2W	
R152	1-246-545-00	CARBON	1M	5%	1/4W		R309	1-217-611-00	RES, METAL PLATE 0.1			2W	
R153	1-246-545-00	CARBON	1M	5%	1/4W		R310	1-217-611-00	RES, METAL PLATE 0.1			2W	
R154	1-246-545-00	CARBON	1M	5%	1/4W		R311	1-247-717-11	CARBON	2.2K	5%	1/4W	
R155	1-247-713-11	CARBON	1K	5%	1/4W		R312	1-249-460-11	CARBON	15K	5%	1/4W	
R156	1-249-417-11	CARBON	1K	5%	1/4W		R313	1-212-962-00	FUSIBLE	15	5%	1/2W	
R157	1-246-545-00	CARBON	1M	5%	1/4W		R314	1-212-962-00	FUSIBLE	15	5%	1/2W	
R158	1-246-545-00	CARBON	1M	5%	1/4W		R315	1-247-891-00	CARBON	330K	5%	1/4W	
R159	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R316	1-247-725-11	CARBON	10K	5%	1/4W	
R160	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R317	1-247-887-00	CARBON	220K	5%	1/4W	
R161	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R318	1-247-881-00	CARBON	120K	5%	1/4W	
R162	1-249-417-11	(WG)...CARBON	1K	5%	1/4W		R319	1-249-432-11	CARBON	18K	5%	1/4W	
							R320	1-247-721-11	CARBON	4.7K	5%	1/4W	
							R321	1-249-467-11	CARBON	68K	5%	1/4W	

Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.	Note: Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref.No.	Part No.	Description						Ref.No.	Part No.	Description					
R323	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F	R467	1-249-844-11	CARBON	56K	5%	1/2W			
R324	1-247-727-11	CARBON	10	5%	1/2W		R468	1-249-818-11	CARBON	4.7K	1%	1/2W			
R325	1-212-998-00	FUSIBLE	470	5%	1/2W	F	R469	1-247-713-11	CARBON	1K	5%	1/4W			
R326	1-249-721-11	CARBON	100K	5%	1/2W		R481	1-259-428-11	(WG)...CARBON	1K	5%	1/6W			
R327	1-247-717-11	(WG).....CARBON	2.2K	5%	1/4W		R482	1-259-428-11	(WG)...CARBON	1K	5%	1/6W			
R327	1-249-552-11	(EXCEPT WG)...CARBON	1K	5%	1/4W		R902	1-247-727-11	(WG)...CARBON	10	5%	1/2W			
R351	1-247-713-11	CARBON	1K	5%	1/4W		R903	1-247-727-11	(WG)...CARBON	10	5%	1/2W			
R352	1-249-469-11	CARBON	100K	5%	1/4W		R952	1-247-727-11	(WG)...CARBON	10	5%	1/2W			
R353	1-249-668-11	CARBON	620	5%	1/2W		R953	1-247-727-11	(WG)...CARBON	10	5%	1/2W			
R354	1-249-417-11	CARBON	1K	5%	1/4W	F	RT301	1-237-455-11	RES, ADJ, CARBON 500 (IDLING)						
R355	1-212-895-00	FUSIBLE	390	5%	1/4W	F	RT351	1-237-455-11	RES, ADJ, CARBON 500 (IDLING)						
R356	1-212-990-00	FUSIBLE	220	5%	1/2W	F	RV101	1-241-162-11	RES, VAR, CARBON 250K/250K (BALANCE)						
R357	1-212-950-00	FUSIBLE	4.7	5%	1/2W	F	RV102	1-241-163-11	RES, VAR, CARBON 125K (TREBLE)						
R358	1-212-950-00	FUSIBLE	4.7	5%	1/2W	F	RV103	1-241-164-11	RES, VAR, CARBON 260K (BASS)						
R359	1-217-611-00	RES, METAL PLATE 0.1			2W		RV104	1-241-165-11	RES, VAR, CARBON 40K/40K (ATTENUATOR)						
R360	1-217-611-00	RES, METAL PLATE 0.1			2W		RY301	1-515-676-11	RELAY						
R361	1-247-717-11	CARBON	2.2K	5%	1/4W	F	RY302	1-515-676-11	RELAY						
R362	1-249-460-11	CARBON	15K	5%	1/4W		S201	1-571-824-11	SWITCH, ROTARY (INPUT SELECTOR)						
R363	1-212-962-00	FUSIBLE	15	5%	1/2W	F	S202	1-571-826-11	SWITCH, ROTARY (INPUT SELECTOR)						
R364	1-212-962-00	FUSIBLE	15	5%	1/2W	F	S203	1-571-823-11	SWITCH, ROTARY SLIDE (REC OUT SELECTOR)						
R365	1-247-891-00	CARBON	330K	5%	1/4W		S204	1-571-828-11	SWITCH, PUSH (1 KEY)(SOURCE DIRECT)						
R374	1-247-727-11	CARBON	10	5%	1/2W		S205	1-572-417-11	SWITCH, PUSH (2 KEY)(MUTING/SUBSONIC)						
R375	1-212-998-00	FUSIBLE	470	5%	1/2W	F	S206	1-571-822-11	SWITCH, ROTARY SLIDE (SPEAKERS)						
R376	1-249-721-11	CARBON	100K	5%	1/2W		S207	1-571-825-11	SWITCH, ROTARY (MODE)						
R377	1-247-552-11	(EXCEPT WG)...CARBON	1K	5%	1/4W		S401	1-571-111-11	SWITCH, PUSH (1 KEY)(CARTRIDGE)						
R377	1-247-717-11	(WG).....CARBON	2.2K	5%	1/4W		SS01	1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)(POWER)						
R401	1-216-459-00	METAL OXIDE	2.7K	5%	2W	F	T1	1-450-170-11	(Canadian)...TRANSFORMER, POWER						
R402	1-215-895-11	METAL OXIDE	3.3K	5%	2W	F	T1	1-450-173-11	(AEP,WG)....TRANSFORMER, POWER						
R405	1-247-706-11	(EXCEPT WG)...CARBON	330		1/4W		T1	1-450-174-11	(UK).....TRANSFORMER, POWER						
R406	1-249-469-11	CARBON	100K	5%	1/4W		TM501	1-537-228-11	(WG).....TERMINAL BOARD (SP)						
R407	1-247-700-11	CARBON	100	5%	1/4W		TM501	1-537-235-11	(EXCEPT WG)....TERMINAL BOARD (SP)						
R408	1-249-469-11	CARBON	100K	5%	1/4W		VH4	*1-564-321-00	(EXCEPT Canadian)...PIN, CONNECTOR 2P						
R409	1-247-710-11	CARBON	560	5%	1/4W		VH5	*1-565-792-11	(EXCEPT Canadian)...PIN, CONNECTOR 2P						
R410	1-247-710-11	CARBON	560	5%	1/4W		VH6	*1-564-321-00	(EXCEPT Canadian)...PIN, CONNECTOR 2P						
R411	1-247-725-11	CARBON	10K	5%	1/4W		VH8	*1-564-241-00	PIN, CONNECTOR 4P						
R412	1-249-484-11	CARBON	6.8	5%	1/2W		VH10	*1-564-321-00	(Canadian)...PIN, CONNECTOR 2P						
R413	1-247-739-11	CARBON	100	5%	1/2W		VH11	*1-565-792-11	(Canadian)...PIN, CONNECTOR 2P						
R414	1-247-138-00	CARBON	2K	5%	1/4W		VH12	1-564-320-00	PIN, CONNECTOR 2P						
R415	1-249-542-11	CARBON	390	5%	1/4W		VH15	*1-565-792-11	PIN, CONNECTOR 2P						
R416	1-214-937-00	CARBON	1M	5%	1/2W										
R417	1-249-844-11	CARBON	56K	5%	1/2W										
R418	1-249-818-11	CARBON	4.7K	1%	1/2W										
R419	1-247-713-11	CARBON	1K	5%	1/4W										
R431	1-259-428-11	(WG)...CARBON	1K	5%	1/6W										
R432	1-259-428-11	(WG)...CARBON	1K	5%	1/6W										
R455	1-247-706-11	(EXCEPT WG)...CARBON	330		1/4W										
R456	1-249-469-11	CARBON	100K	5%	1/4W										
R457	1-247-700-11	CARBON	100	5%	1/4W										
R458	1-249-469-11	CARBON	100K	5%	1/4W										
R459	1-247-710-11	CARBON	560	5%	1/4W										
R460	1-247-710-11	CARBON	560	5%	1/4W										
R461	1-247-725-11	CARBON	10K	5%	1/4W										
R462	1-249-484-11	CARBON	6.8	5%	1/2W										
R463	1-247-739-11	CARBON	100	5%	1/2W										
R465	1-249-542-11	CARBON	390	5%	1/4W										
R466	1-214-937-00	CARBON	1M	5%	1/2W										

ACCESSORY & PACKING MATERIAL

- *3-703-710-41 STICKER, SONY SYMBOL (12)
- 3-752-025-11 (AEP,UK,Canadian)...MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH,PORTUGUESE)
- 3-752-025-41 (AEP,WG)...MANUAL, INSTRUCTION (GERMAN,DUTCH,SWEDISH,ITALIAN)

Note:
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Replace only with part number specified.

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English

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